

Title (en)
FILTER CENTRIFUGE

Title (de)
FILTERZENTRIFUGE

Title (fr)
CENTRIFUGEUSE À FILTRE

Publication
EP 3040127 A1 20160706 (EN)

Application
EP 15192704 A 20151103

Priority
DE 102014119605 A 20141223

Abstract (en)
A Filter centrifuge (1) for filtering solid from a solid-liquid-suspension may comprise: a filter drum (10) comprising a circumferential groove (19) which groove is formed in an inner surface (21) of the filter drum (10) and runs in circumferential direction of the filter drum (10); a filter cloth (30) which is insertable into the filter drum (10), forms, at least when inserted into the filter drum (10), a hollow cylindrical shape which shape defines an axial direction (X) and a radial direction (R) and which shape has circumferential edges at the axial ends (32) thereof, is configured to hold back the solid from the suspension to be filtered and to let the liquid of the suspension to be filtered pass therethrough, and comprises at least one of the circumferential edges (32) a circumferential ribbon structure (34; 34'; 34"; 34""; 34''') which is formed by at least two ribbon layers (36,38; 36',38';36'',38''; 36''',38''',39; 36''') which at least substantially overlap each other in the radial direction and are attached to one another, wherein, with the filter cloth (30) inserted into the filter drum (10), the circumferential ribbon structure (34; 34'; 34"; 34""; 34''') is received in the circumferential groove (19) of the filter drum (10); and a clamping ring (40) which is formed separately from the filter cloth (30), is formed closed and as one piece, is radially spring-elastically pliable, and is disposable inside of the filter drum (10) opposite to the circumferential groove (19) so as to press the circumferential ribbon structure (34; 34'; 34"; 34""; 34'''), received in the circumferential groove (1), radially outwardly against the filter drum (10) such that the filter cloth (30) thereby remains firmly held in the filter drum (10).

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B04B 7/18 (2006.01)

CPC (source: EP)
B04B 7/18 (2013.01)

Citation (search report)
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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